

Serial No: 10/010,104

IN THE CLAIMS:

Please amend claims 1, 11, 21, 24, 27 and 30, and cancel claims 23, 26, and 29 as follows:

1           Claim 1. (currently amended) A device network having selectable target  
2 devices, said device network comprising:  
3           a controller device;  
4           one or more target devices in communication with said controller  
5 device; and  
6           one or more selecting devices, each of which is movable relative to  
7 said target devices, and includes:  
8           means for sensing position and orientation to provide data  
9 therefor;  
10           means for generating at least one control signal, incorporating  
11 said position and orientation data in response to a user input; and  
12           means for transmitting said control signals via at least one of a  
13 plurality of communication resources to said controller device; and  
14           wherein said controller device acquires and stores actual location  
15 information for each target device, and assesses correspondence of said  
16 position and orientation data with said actual location data, and if there is  
17 correspondence, outputs a control signal to select said target device to be  
18 operative; and  
19           a pointing axis along which the selecting device is aligned when  
20 selecting the one or more target devices; and  
21           wherein the at least one of the selecting devices further includes  
22 pointing indicia for pointing to target devices in alignment to the pointing  
23 axis.

1           Claim 2. (original) The device network of claim 1, wherein said  
2 controller assesses correspondence from the selecting device position and  
3 orientation and said actual target location by deriving a target orientation,  
4 and determining correspondence of said target orientation with said  
5 orientation data.

1           Claim 3. (original) The device network of claim 1, wherein said  
2 orientation data includes angles between a ray joining the respective points  
3 in a three-dimensional Cartesian system and two respective axes of said  
4 system.

Serial No: 10/010,104

1 Claim 4. (previously presented) The device network of claim 2, wherein  
2 said position sensing means comprises an accelerometer whose output is doubly  
3 integrated to give an output of position, or a positioning means using UWB  
4 (Ultra Wide Band).

1 Claim 5. (original) The device network of claim 4, wherein said  
2 orientation sensing means comprises a gyroscope.

1 Claim 6. (original) The device network of claim 5, wherein said each  
2 selecting device includes a pointing means to line up a said target device.

1 Claim 7. (original) The device network of claim 6, wherein said  
2 pointing means is a display, printed indicium, or pointed shape.

1 Claim 8. (original) The device network of claim 1, wherein  
2 communication between said selecting devices and said controller device is  
3 wireless.

1 Claim 9. (previously presented) The device network of claim 8, wherein  
2 said wireless communication is either RF (radio frequency) or IR (infrared)  
3 type.

1 Claim 10. (original) The device network of claim 1, wherein  
2 communication between said target devices and said controller device is wired  
3 or wireless.

1 Claim 11. (currently amended) A selecting device for selecting one or  
2 more target devices in a device network, said selecting device comprising:  
3 means for sensing position and orientation to provide data therefor;  
4 means for generating at least one control signal, incorporating said  
5 position and orientation data, in response to a user input; and  
6 means for transmitting said control signals via at least one of a  
7 plurality of communication resources to a controller device; ~~and~~  
8 a pointing axis along which the selecting device is aligned when  
9 selecting the one or more target devices; and  
10 wherein the at least one of the selecting devices further includes  
11 pointing indicia for pointing to target devices in alignment to the pointing  
12 axis.

1 Claim 12. (previously presented) The selecting device of claim 11,  
2 wherein said position sensing means comprises an accelerometer whose output  
3 is doubly integrated to give an output of position, or a positioning means  
4 using UWB (Ultra Wide Band).

Serial No: 10/010,104

1 Claim 13. (original) The selecting device of claim 12, wherein said  
2 orientation sensing means comprises a gyroscope.

1 Claim 14. (original) The selecting device of claim 13, wherein said  
2 each selecting device includes a pointing means to line up a said target  
3 device.

1 Claim 15. (original) The selecting device of claim 11, wherein said  
2 transmitting means is wireless.

1 Claim 16. (previously presented) The selecting device of claim 15,  
2 wherein wireless communication is either RF (radio frequency) or IR  
3 (infrared) type.

1 Claim 17-20. (canceled)

1 Claim 21. (currently amended) A device network having selectable  
2 target devices, said device network comprising:

3 a controller device;

4 one or more targets; and

5 one or more selecting devices, each of which is movable relative to  
6 said targets, and includes:

7 means for sensing position and orientation to provide data  
8 therefor;

9 means for generating at least one control signal, incorporating  
10 said position and orientation data in response to a user input; and

11 means for transmitting said control signals via at least one of a  
12 plurality of communication resources to said controller device; and

13 wherein said controller device stores actual location information for  
14 each target, and assesses correspondence of said position and orientation  
15 data with said actual location data, and if there is correspondence, selects  
16 said target; ~~and~~

17 a pointing axis along which the selecting device is aligned when  
18 selecting the one or more targets; and

19 wherein the at least one of the selecting devices further includes  
20 pointing indicia for pointing to targets in alignment to the pointing axis.

1 Claim 22. (original) The device of claim 21, wherein said controller  
2 assesses correspondence from the selecting device position and orientation  
3 and said actual target location by deriving a target orientation, and  
4 determining correspondence of said target orientation with said orientation  
5 data.

Serial No: 10/010,104

1 Claim 23. (canceled)

1 Claim 24. (currently amended) A device network having selectable  
2 target devices, said device network comprising:

3 a controller device;

4 one or more target devices in communication with said controller  
5 device; and

6 one or more selecting devices, each of which is movable relative to  
7 said target devices, and includes:

8 means for sensing position and orientation to provide data  
9 therefor;

10 means for generating at least one control signal, incorporating  
11 said position and orientation data in response to a user input; and

12 means for transmitting said control signals via at least one of a  
13 plurality of communication resources to said controller device; and

14 wherein said controller device acquires and stores actual location  
15 information for each target device, and assesses correspondence of said  
16 position and orientation data with said actual location data, and if there is  
17 correspondence, outputs a control signal to select said target device to be  
18 operative;

19 a pointing axis along which the selecting device is aligned when  
20 selecting the one or more target devices; and

21 ~~The device network of claim 1,~~ wherein the controller device is  
22 configured to determine if the target devices are within an angular window  
23 along the pointing axis.

1 Claim 25. (previously presented) The device network of claim 1,  
2 wherein the controller is configured to select the least loaded target device  
3 if the pointing axis is aligned with more than one target device

1 Claim 26. (canceled)

1 Claim 27. (currently amended) A selecting device for selecting one or  
2 more target devices in a device network, said selecting device comprising:

3 means for sensing position and orientation to provide data therefor;

4 means for generating at least one control signal, incorporating said  
5 position and orientation data, in response to a user input; and

6 means for transmitting said control signals via at least one of a  
7 plurality of communication resources to a controller device;

8 a pointing axis along which the selecting device is aligned when  
9 selecting the one or more target devices; and

Serial No: 10/010,104

10       ~~The selecting device of claim 11,~~ wherein the controller device is  
11 configured to determine if the target devices are within an angular window  
12 along the pointing axis.

1       Claim 28. (previously presented) The selecting device of claim 11,  
2 wherein the controller is configured to select the least loaded target device  
3 if the pointing axis is aligned with more than one target device.

1       Claim 29. (canceled)

1       Claim 30. (currently amended) A device network having selectable  
2 target devices, said device network comprising:

3       a controller device;  
4       one or more targets; and  
5       one or more selecting devices, each of which is movable relative to

6 said targets, and includes:

7       means for sensing position and orientation to provide data  
8 therefor;

9       means for generating at least one control signal, incorporating  
10 said position and orientation data in response to a user input; and

11       means for transmitting said control signals via at least one of a  
12 plurality of communication resources to said controller device; and

13       wherein said controller device stores actual location information for  
14 each target, and assesses correspondence of said position and orientation  
15 data with said actual location data, and if there is correspondence, selects  
16 said target;

17       a pointing axis along which the selecting device is aligned when  
18 selecting the one or more targets; and

19       ~~The device of claim 21,~~ wherein the controller device is configured to  
20 determine if the targets are within an angular window along the pointing  
21 axis.

1       Claim 31. (previously presented) The device of claim 21, wherein the  
2 controller is configured to select the least loaded target device if the  
3 pointing axis is aligned with more than one target.